Name

Alg I

3.2

Graph Linear Equations

I can graph linear equations in a coordinate plane.

Ch. 3 Quiz

* Solutions for equation in two variables are written as ordered pairs, (x, y)

Example 1:

1) $(4, -\frac{1}{2})$

$x = 4$

$y = -1/2$

$x + 2y = 5$

$4 + 2(-\frac{1}{2}) = 5$

$4 - 1 = 5$

$3 = 5$ X NOT A SOLUTION

* The Graph of an equation in two variables is the set of points in a coordinate plane that represents all solutions of the equation.

Linear Equation: An equation whose graph is a line

Standard Form: $Ax + By = C$

Example 2:

In the book How to rearrange the formula

1) $-2x + y = -3$

$+2x \quad +2x$

$y = -3 + 2x$

$y = 2x - 3$